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; MOLECULE TYPE: US-08-897-340-1
                                                                                                                                                                                            PRIOR APPLICATION: 435

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/715,032

FILING DATE: 17-SEP-1996

ATTORNEY/AGENT INFORMATION:
NAME: S11verl, Jean M.
REGISTRATION NUMBER: 39,030
REFERENCE/DOCKET NUMBER: MNI-005CP
TELECOMMUNICATION INFORMATION:
TELECHONE: (617)227-7400
TELEFAX: (617)227-75941
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1386 base pairs
myrne: miniac acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-897-340-1
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Patent No. 5955306
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL OF INVENTION:
Weight Control Pathway Genes and
TITLE OF INVENTION: Therefor
NUMBER OF SEQUENCES: 36
  Query Match
Best Local Similarity 88.7
Matches 1190; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 28 State Stree
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE:
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US-08-844-024-1
US-08-622-046B-2
US-08-622-046B-13
US-08-767-820A-7
PCT-US95-06157-7
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US-08-767-820A-5
US-08-622-046B-15
Score 1012.4; DB 4;
Pred. No. 4.5e-216;
''' cmatches 7;
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                                           DB 4;
  Indels 147;
                                         Length 1386;
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Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

Issued_Patents_NA:*
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/cgn2_6/ptodata/2/ina/backfiles1.seq:*

Minimum DB Maximum DB

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length: 0 length: 2000000000

al number of hits satisfying chosen parameters:

262060 seqs, 75620496 residues

Scoring table: Sequence: Title: Perfect score:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

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Run

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nucleic -

nucleic search, using sw model

GenCore version Copyright (c) 1993 - 2000

4.5 Compugen Ltd.

December 15, 2000, 11:30:07; Search time 176.17 Seconds (without alignments) 1043.071 Million cell updates/sec

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| 89.8 | 91.4 | 94.6 | 99.4 | 100.6 | 103.6 | 132.6 | 137.8 | 147.4 | 155.4 | 155.4 | 157 | 157 | 157 | 157 | 158.2 | 189.8 | 196 | 196 | 196 | 196 | 196 | 736 | 736 | 1012.4 | Score |
| 7.4 | 7.0 | 7.8 | 8.2 | 8.3 | 8.5 | 10.9 | 11.3 | 12.1 | 12.8 | 12.8 | 12.9 | 12.9 | 12.9 | 12.9 | 13.0 | 15.6 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 60.6 | 60.6 | 83.3 | Query Match Length |
| 992 | 1462 | 957 | 825 | 897 | 944 | 833 | 1314 | 732 | 986 | 986 | 1089 | 1089 | 1089 | 1089 | 4060 | 1476 | 8174 | 8174 | 8174 | 8174 | 8174 | 871 | 871 | 1386 | |
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| US-08-358-782D-13 | US-08-358-782D-14 | US-08-684-862-11 | US-09-120-582-1 | US-08-956-267A-1 | US-09-070-526-1 | US-08-790-137-2 | US-09-025-059-2 | US-08-361-395-2 | US-09-154-344-1 | US-08-557-146-1 | PCT-US96-04294-3 | PCT-US96-04294-1 | US-08-930-188-3 | US-08-930-188-1 | US-08-308-949A-1 | US-08-824-874-2 | PCT-US91-00899-3 | US-08-696-731-5 | US-08-525-058A-5 | US-08-393-246-5 | US-07-914-281-5 | US-09-102-732-2 | US-08-744-026-2 | US-08-897-340-1 | ID |
| Sequence 13, Appl | 14, | : ;: | Sequence 1, Appli | Sequence 1, Appli | 1, | Sequence 2, Appli | Sequence 2, Appli | Sequence 2, Appli | Sequence 1, Appli | Sequence 1, Appli | w , | ۳, | Sequence 3, Appli | Sequence 1, Appli | - | Sequence 2, Appli | Sequence 3, Appli | Sequence 5, Appli | <u>ب</u> | ر. د | 5 | 2, | Sequence 2, Appli | Sequence 1, Appli | Description |

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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94 mycccccaacccctcctccctcagactcagagtccaagcccccaacccctccttccccag
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Query Match
Best Local Similarity
Matches 742; Conser

Conservative

60.6%; 98.3%;

Score 736; DB Pred. No. 7.3e 0; Mismatches

DB 2; 17.3e-155; nes 13;

Length 871; Indels

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ggactgcagcccgcactcgcagccctggcaggcggcactggtcatggaaaacgaattgtt 63

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; CLONE:
US-08-744-026-2
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; Sequence 2, Application
; Patent No. 5786148
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GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
A NOVEL
                                                                                                                                                       APPLICATION NUMBER: | 5 | 6 |
FILING DATE: ATTORNEY/AGENT INFORMATION: AME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELECPHONE: 415-855-0555
                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                         TOPOLOGY: line IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                         FILING DATE: Herewith CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                    SOFTWARE: FastSEQ Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/744
                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COmpatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 31/
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: À NOVEL PRITILE OF INVENTION: KALLIKREIN NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1128
                                                                                                                  SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: CA
COUNTRY: US
ZIP: 94304
                                                        STRANDEDNESS: single TOPOLOGY: linear
                                                                                                   LENGTH:
                                                                                                                                               TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: INCYTE PHARMACEUTICALS, STREET: 3174 Porter Drive
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                                                                                                                                                         Sequence 27 Application 
Pawent No. 5922321
STREET: 3174 POTTER Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                 GENERAL INFORMATION:
                                                                                                           APPLICANT: Bandman, Olga
APPLICANT: Goll, Surya K.
TITLE OF INVENTION: A NOVEL PROSTATE-SPECIFIC
TITLE OF INVENTION: KALLIKREIN
                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                724
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                                                                                   ADDRESSEE: INCYTE PHARMACEUTICALS, INC
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US-09-102-732-2
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Best Local
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/102,732
FILLING DATE:
CLASSIFICATION: 6 2048
PRIOR APPLICATION DATA:
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mes 742; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
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tgtctacaccaacctctgcaaattcactgagtggatagagaaaaccgtccaggccagtta
                                               gtacttgcagggccttgtgtctttcggaaaagccccgtgtggccaagttggcgtgccagg
                                                                                               agggcaagaccagaaggactcctgcaacggtgactctgggggggcccctgatctgcaacgg
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Pred. No. 7.3e-155;
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US-07-914-281-5/c
US-07-914-5/c
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US-07-914-5/c
US-07-914-5/c
US-07
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REFERENCE/DOCKET NUMBER: 2363
REFERENCE/DOCKET NUMBER: 2363
RELECOMMUNICATION INFORMATION:
TELEPHONE: (703)456-2347
TELEFX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 8174 base pairs
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Lavalleye, Jean-Paul M. P.
REGISTRATION NUMBER: 31,451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 19920720
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COMPUTER READABLE FORM:
CONTING TYPE: Floppy disk
CORRESPONDENCE ADDRESS:
                                    838 tccagaccccccagccctcctccctcagacccaggagtccag------cccctcctc 889
                                                                                                                          779 ccctcctccctcaaaccaagg-gtacagatccccagcccctccttcctcagacccaggag
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STRANDEDNESS: unkno
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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STATE: Virginia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
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                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
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                                                                                                                                                                                                                                                                                                                                                                         Score 196; Db 1,
Pred. No. 6.2e-35;
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US-08-393-246-5/c
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                                                                             Query Match
Best Local Similarity
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TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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TITLE OF INVENTION: GLY
TITLE OF INVENTION: OF
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
TOPOLOGY: u
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APPLICATION NUMBER: US 07/914,281
FILING DATE: 20-JUL-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 30-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Relacuration DATA: APPLICATION NUMBER: US FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                               TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                   NAME: Lavalleye, Jean-Paul M. P. REGISTRATION NUMBER: 31,451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U
ZIP: 22202
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CITY: Arlington
STATE: Virginia
                                                                                                                                                                                                                                                                                                      TELEPHONE:
                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: P.C.
                                                                281;
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(703)486-2347
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                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PatentIn Release #1.0,
                                                                                                                                                        Ö
                                                                                                                                                                                   unknown
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                                                                                                                                                                   DNA (genomic)
                                                                                                                                                                                                   unknown
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                                                                           16.1%;
80.7%;
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OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
OR AS FREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
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                                                                           Score 196;
Pred. No. 6.
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                                                              Mismatches
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                                                           DB 1; I
5.2e-35;
les 55;
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                               Query Match
Best Local Similarity
Matches 281; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION: APPLICANT: LOWE,
                                                                                                                                                                                                                             TELEPHONE: (703)521-45(
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: LAVALIEYE, Jean-Paul M. P.
REGISTATION NUMBER: 31.451
REFERENCE/DOCKET NUMBER: 2363-060-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                       MOLECULE TYPE:
ANTI-SENSE: N
                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                             LENGTH:
                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 1755 Je:
CITY: Arlington
                                                                                                                                                                   STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE:
                                                                                                                                                      TOPOLOGY:
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Y: U.S.A.
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OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
GLYCOLIPIDS, OR AS PREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
                                           16.1%;
80.7%;
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                               0;
                             Score 196; DB 2;
Pred. No. 6.2e-35;
0; Mismatches 55;
                                                          Length 8174;
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RESULT 7
US-08-696-731-5/c
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                                                                                                                                                                                                                                                           COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/696,731
FILING DATE: 14-AUG-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/393,246
FILING DATE: 30-MAR-1994
APPLICATION NUMBER: US/08/220,433
APPLICATION NUMBER: US/08/220,433
APPLICATION NUMBER: US/08/220,433
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                                                                             TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO:
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TITLE OF INVENTION: OF:
TITLE OF INVENTION: GLY
TITLE OF INVENTION: OF:
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
                                                                                                                   REFERENCE/DOCKET NUMBER: 31,451
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEPAX: 7777-777
                                                                                                                                                                                                         APPLICATION NUMBER: US 0 FILING DATE: 20-JUL-1992 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                              SEQUENCE CHARACTERISTICS:
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                                                                                                  TELEPHONE: (/UJ/UJ/27
TELEPHONE: (703)486-2347
                  STRANDEDNESS:
                                                                                                                                                                               NAME: Lavalleye, Jean-Paul M. P. REGISTRATION NUMBER: 31,451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 1755 Jet CITY: Arlington
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DEDNESS: unknown
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OF OLIGOSACCHARIDE STRUCTURES ON GLYCOTERINS,
GLYCOLIPIDE, OR AS FREE MOLECULES, AND FOR THE ISOLATION
OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
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                                                                                                                                                                 2363-060-55
                                                                                                                                                                                                                                                                                                                                                                                                                   Version
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RESULT 8
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; ANTI-SENSE: NO
US-08-696-731-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3, Application PC/TUS9100899 GENERAL INFORMATION:
                        TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-5940
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 8174 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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Best Local Similarity
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA PELICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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TYPE: NUCLEI STRANDEDNESS:
                                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                  NAME: Lavalleye Ph.D., Jean-Paul
REGISTRATION NUMBER: 31,451
                                                                                                                                                                                           APPLICATION NUMBER: POFILING DATE: 19910214
                                                                                                                                                                                                                                                                                                          STATE: Virg
                                                                                                                                                                                                                                                                                                                               STREET: 1755 Jes
CITY: Arlington
                                                                                                                                                                                 CLASSIFICATION:
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               NUCLEIC
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1755 Jefferson
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                                                                                                                                                                                                                                                                                                                                                                                                             Method and Products For the Synthesis of
Oligosaccharide Structures on Glycoproteins, Glycolipids,
or as Free Molecules, and For the Isolation of Cloned
Genetic Sequences That Determine These Structur
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80.7%;
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                                                                                                                         2363-021-55 PCT
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Pred. No. 6.2e-35;
0; Mismatches 55;
                                                                                                                                                                                                                                     Version
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                                                     1010
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nes 281; Conserva
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                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
TISSUE TYPE: Blood
                                                                                                                                                                                                                                                                                                               OTHER INFORMATION:
         9
                                               ccagaggtccaggtcccagccctcctcctcagacccagcggtccaa 1057
                                                                              ccctcctccctcaaaccaagg-gtacagatccccagccctcctcctcagacccaggag 837
                                                                    Conservative
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80.7%;
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Sequence 2, Application US/08824874 Patent No. 5962300 GENERAL INFORMATION: CLASSIFICATION: 514
PRIOR APPLICATION NUMBER: 3 26 4 STREET: 31/.
CITY: Palo Alto
STATE: CA ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,7 COMPUTER READABLE FORM: MEDIUM TYPE: Diskett APPLICANT: Hillman, Je APPLICANT: Lal, Preeti TITLE OF INVENTION: NO SOFTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA: CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: COMPUTER: IBM CONTROL OPERATING SYSTEM: APPLICATION NUMBER: COUNTRY: ADDRESSEE: 94304 E: Incyte Pharmaceuticals, 3174 Porter Drive IBM Compatible Filed Herewith Diskette NOVEL KALLIKREIN DOS Jennifer L. US/08/824,874 36,749

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; LIBRARY: KERANC
; CLONE: 820694
US-08-824-874-2
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                                      Sequence 1, Application US/08308949A Patent No. 5580703 GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
            APPLICANT:
                                                                                                                                     1121
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEPAX: 415-845-4166
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 1476 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                  actgagtggatagagaaaaccgtccaggcca 659
                                                                                                                                                                                        ggaaaagccccgtgtggccaagttggcgtgccaggtgtctacaccaacctctgcaaattc
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                                                                                                                                    AGACAGATAGATGACCATGTTCTGCGC----CGGTGACAAAGCAGGTAGAGACTCCTGC
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Similarity 58.6%;
70; Conservative
                       Kotin,
            Berns, Kenneth
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         Robert M.
Ralph M
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Pred. No. 9.6e-34;
0; Mismatches 252;
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Linden,

RESULT 11 US-08-930-188-1/c ; Sequence 1, Application ; Patent No. 6093397

US/08930188

GENERAL INFORMATION

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Best Local :
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4060 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/308,949
FILING DATE: September 20, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/947,127
FILING DATE: September 27, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Carroll, Alice 0.
                                                                                                                                                                                          3883
                                                                                                                                                                                                                                                    TITLE OF INVENTION: Hun
TITLE OF INVENTION: S1t
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                1029 cccctcctccctcagacccagcggtccaatgccac 1063
                                                                                                                             3823
                                                                                                                                                                                                                                                                                                                  4000 CCCAACCCCTCCCCATTCAACCCAGGAGGCCCAGGCCCTTCCGGCCCTCAGATGAA 3941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 33,542
REFERENCE/DOCKET NUMBER: ACTELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
3706 CCCCTCCTCTCAAACCCAGGAGCCCAGGCCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                            909
                                                                                                                                                                                                                                                                                                                                      737 ccagcccctcctccctcaggcccaggagtccaggcccccagcccctccttcaaacca 796
                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0,
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CITY: Lexington
STATE: MA
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                                                                               agactcagaggtccaagcccccaaccccttcctccagacccagaggtccaggtccag
                                                                                                                                             gacccccagcccctcctccctcagacccaggggtccaggcccccaacccctcctcctc
                                                                                                                                                                                                          AGACCCAGGAGTCC - AGGCCCCAGCCCCTCCTCCCTCGGACCCAGGAGTCCAGGCCCCAG
                                                                                                                             G--GCCCCAGCCCCTCCTCCCTCGGACCCAGGAGTCCAGGCCCCCAGTCCCTCCACCCTC
                                                                                                                                                                                          CCTCCCTAAGACCCAGAAGTCCAGGCCCCCGACCCCTCCTCCTCAGACCCACGAGTCCA
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Pred. No. 1.2e
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hes 68;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/416

PILING DATE: 04-APR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Blalock, Donna K.

REGISTRATION NUMBER: 38,082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 317-277-1090 TELEFAX: 317-276-3861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Sheila P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
TITLE OF INVENTION: RELATED NUCLEIC ACIDS
506 TGTGACCTTTCCCTCTGACCTCATGTGCGTGGATGTCAAGCTCATCTCCCCCCAGGACTG
                   373 cggcagaatgcctaccgtgctgcagtgcgtgaacgtgtcggtgtgtcttgaggaggtctg
                                                                                         626 GAAGCTCAATAGCCAGGCCAGGCTGTCATCCATGGTGAAGAAAGTCAGGCTGCCCTCCCG
                                                                                                                                                                                                                                              199
                                                                                                                                                                                                                                                                                 737
                                                                                                                                                                                                                                                                                                  139 gctgggcctgcacagtcttgaggccgaccaagagccagggagccagatggtggaggccag 198
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                                                                    566 CTGCGAACCCCCTGGAACCACCTGTACTGTCTCCGGCTGGGGCACTACCACGAGCCCAGA
                                                                                                                                                                     259 caagttggacgaatccgtgtccgagtctgacaccatccggagcatcagcattgcttcgca
                                                                                                                                                                                                          686 GAAGTCATTCCGCCACCCCGGCTACTCCACACACACCCATGTTAATGACCTCATGCTCGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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Pred. No. 1.7e-26;
0; Mismatches 270; Indels 1
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                                                               Query Match
Best Local 9
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: US 01
FILING DATE: 04-APR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                         TELEPHONE: 317-277-1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA: APPLICATION NUMBER: US
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ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center
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APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Sheila P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
TITLE OF INVENTION: RELATED NUCLEIC ACIDS
NUMBER OF SEQUENCES: 3
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                                                                                                                                                            TOPOLOGY:
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                                                                                                                                                                                             TYPE:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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Similarity 55.4%;
54; Conservative
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EDNESS: single
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                                             Score 157; DB 5;
Pred. No. 1.7e-26;
0; Mismatches 270;
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RESULT 13
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PCT-US96-04294-1/c
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GENERAL INFORMATION:
APPLICANT: Dixon, Eric P.
APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Sheila P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN
TITLE OF INVENTION: RELATED NUCLEIC ACIDS
                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PR PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Va
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/04294
                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center
                        ATTORNEY/AGENT INFORMATION:
                                                                    PRIOR APPLICATION DATA;
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                                        APPLICATION NUMBER: US 08/416,257 FILING DATE: 04-APR-1995
                                                                                 FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                              CITY: Indianapolis
STATE: Indiana
                                                                                                                                                                                                                                COUNTRY:
REGISTRATION NUMBER:
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RESULT 14
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PCT-US96-04294-1
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Best Local
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TELEPHONE: 317-277-1090
TELEFAX: 317-276-3861
INFORMATION FOR SEQ ID NO: 1:
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LENGTH: 1089 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCAAGTCTGCAAGTTCACCAAGTGGATAAATGACACCAT
                                                          caacctctgcaaattcactgagtggatagagaaaaccgt
                                                                                                           999ccttgtgtctttcggaaaagccccgtgtggccaagttggcgtgccaggtgtctacac
                                                                                                                                                          cagtaagctctatgacccgctgtaccaccccagcatgttctgcgccggcggagggcaaga
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                                                                                             AGGTCTGGTGTCCTGGGGAACTTTCCCTTGCGGCCAACCCCAATGACCCAGGAGTCTACAC
                                                                                                                                            CAAGAAAAACGCCTGCAATGGTGACTCAGGGGGACCGTTGGTGTGCAGAGGTACCCTGCA
                                                                                                                                                                                           CACGAAGGTTTACAAGGACTTACTGGAAAATTCCATGCTGTGCGCTGGCATCCCCGACTC
                                                                                                                                                                                                                                                                                           CTGCGAACCCCCTGGAACCACCTGTACTGTCTCCGGCTGGGGCACTACCACGAGCCCAGA
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Pred. No. 1.7e-26;
0; Mismatches 270;
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Sequence 3, Application PC/TUS9604294 GENERAL INFORMATION:

APPLICANT: Dixon, Eric P.
APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Shella P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN
TITLE OF INVENTION: RELATED NUCLEIC ACIDS

PROTEASE AND

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CORRESPONDENCE ADDRESS:

ADDRESSEE:

STREET: Lilly Corpo

E: Eli Lilly and Company Lilly Corporate Center

Indiana

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Best Local Similarity
Matches 354; Conserv
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APPLICATION NUMBER: US 08/410,
FILING DATE: 04-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Blalock, Donna K,
NAME: Blalock, Donna K,
VOO3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 317-276-3861
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-277-1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
4937cagaaggactcctgcaacggtgactctggggggcccctgatctgcaacgggtacttgca 552
                                           446 CACGAAGGTTTACAAGGACTTACTGGAAAATTCCATGCTGTGCGCTGGCATCCCCGACTC
                                                                   433 cagtaagctctatgacccgctgtaccaccccagcatgttctgcgccggcggagggcaaga
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
COMPUTER: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
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                                                                                                                                                       c9gcagaatgcctaccgtgctgcagtgcgtgaacgtgtcggtggtgtctgaggaggtctg
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Pred. No. 1.7e-26;
0; Mismatches 270; Indels 15;
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Indels 15;

Gaps

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Query Match
Best Local Similarity
Matches 353; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (212) 354-81
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                          FEATURE:
                                                                                                                                                                          FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 819-8783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/557,14
                                                                                                                                                                                                                                                                       ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                   TOPULCE TYPE: CD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION: NAME: Sterner, Richard J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Hansson, TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                          FEATURE
                                                                                                                                                                                                                                                                                      HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
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                                                                                                                         NAME/KEY:
                                                                                                                                                         LOCATION:
                                                                                                                                                                                                                       NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1. CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A. ZIP: 10036-2787
                                                                                                                                                                                                          LOCATION:
                                                                                                                                                                                                                                                         ORGANISM:
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                                                                                                                                                                                                                                                                                                                                                                                   986 base pairs
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     Score 155.4; DB 3;
Pred. No. 3.7e-26;
0; Mismatches 271;
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caagttggacgaatccgtgtccgagtctgacaccatccggagcatcagcattgcttcgca
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                                                                                                           CACGAAGGTTTACAAGGACTTACTGGAAAATTCCATGCTGTGCGCTGGCATCCCCGACTC
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Search completed: December 15, 2000, 11:30:36

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